A Picture to Remember

INSTALLATION INSTRUCTIONS

Carefully remove and unwrap all the contents of box. Referring to the parts list, make sure you have everything needed to proceed with the installation of the masking system. If any parts are missing, contact Prismasonic immediately.

Inspect the parts to make sure there are no shipping defects. If you notice a problem with the item itself, or the screen's mechanical system, contact Prismasonic immediately.

Part List:

Wooden Assemblies
- **Framework Bar** (*6 pcs*)
- **Velvet Frames, 17 cm** (*6 pcs*)

Aluminum Brackets
- **Extension Bracket** (*2 pcs*)
- **Frame Holder M** (*18 pcs*)
- **Wall Plate** (*1 pcs*)
- **Wall Plate Side** (*2 pcs*)
- **Wall Mount** (*2 pcs*)
- **Wall Mount Side** (*4 pcs*)
- **Wall Socket, 16 mm** (*4 pcs*)
- **Wall Socket L, 76 mm** (*4 pcs, 116"*)
  100 mm (*4 pcs, 136"*)
  131 mm (*4 pcs, 156"*)

Hardware
- **Cap Screw, M4 x 35** (*8 pcs*)
- **Cap Screw, M5 x 16** (*8 pcs*)
- **Cap Screw, M5 x 30** (*10 pcs*)
- **Cap Screw, M6 x 12** (*8 pcs*)
- **Cap Screw, M6 x 16** (*4 pcs*)
- **Cap Screw *clear*, M6 x 20** (*18 pcs*)
- **Cap Screw, M8 x 16** (*4 pcs*)
- **Set Screw, M8 x 6** (*4 pcs*)
- **Torx Screw**, black (12 pcs)
- **Torx Screw**, clear (4 pcs)

Tools & Misc.
- **L-wrench, 3 mm**
- **L-wrench, 4 mm** *(Do not exist if ordered with a screen)*
- **L-wrench, 5 mm** *(Do not exist if ordered with a screen)*
- **Torx Driver** *(Do not exist if ordered with a screen)*
- **Screw Driver**
- **Velvet Stickers** (4 pcs)

Electrical Parts
- **Power Cord**
- **Power Converter**
- **Remote Controller**

Upgrade parts For older models of Cinoscreen C50 / C-AT50
- **Corner Bracket** *(modified)* (*2 pcs*)
- **Extension Bracket** *(modified)* (*1 pcs*)
- **Wall Plate** (*1 pcs*)
- **Wall Plate Side** (*2 pcs*)
- **Wall Mount** (*1 pcs*)
- **Wall Mount Side** (*2 pcs*)
- **Wall Socket, 16 mm** (*2 pcs*)
- **Wall Socket L, 76 mm** (*2 pcs, 116"*)
  100 mm (*2 pcs, 136"*)
  131 mm (*2 pcs, 156"*)
- **Cap Screw, M6 x 16** (*4 pcs*)
- **Set Screw, M8 x 6** (*2 pcs*)

PRISMASONIC

Assembly Instructions:

STEP 1
First unpack the items from shipping tubes and boxes. As shown with an arrows in **Fig 1,** remove the two delivery bars from each horizontal and vertical **Framework Bar**s, which connect the two bars to each other**.** Use **L-Wrench, 3 mm** for the screws to release the bars.

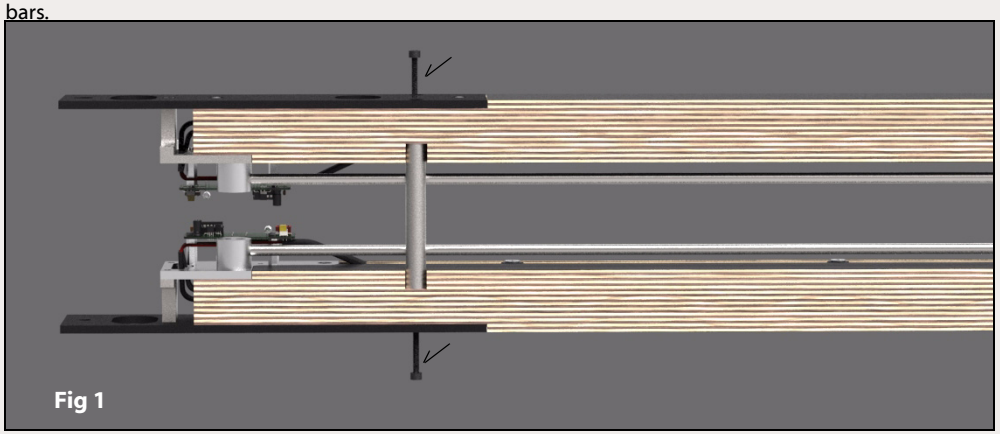


Fig 1

STEP 2
If you are upgrading the old version of **Cinoscreen C-50/C-AT50**, first modify your existing screen according to **Steps 1-5** of **Cinoscreen C-50/C-AT50** user manual. The new parts, which are needed for the modification are included to package. Also make sure both two **Wall Plates** and all four **Wall plate S** are assembled to the wall according to **Fig 1a** of **Cinoscreen C-50/C-AT50** user manual (***even if the screen frame work attaches only to upper three plates).***

Next attach the **Frame Holder M** parts onto new 170 mm wide **Velvet Frames**. By using **Cap Screw**s, ***clear* m6 x 20,** prepare to attach the new holders to frames exactly as shown in **Fig 2.** Tighten the screws securely using **L-wrench, 4 mm.**

In the horizontal frames the ***screw hole***s of new frame holders are pointing from center to side, whilst in the vertical frames only the holder in the middle is pointing from center to side, and the two others in side are pointing from side to center.

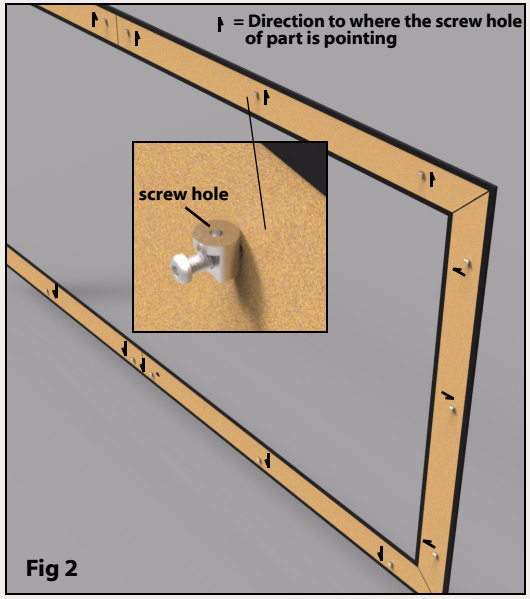


Fig 2

STEP 3
First attach the four velvet stickers exactly as presented in **Fig 3.** All four stickers are in line right below the bottom horizontal screen framework bar. The stickers at corners are also in contact with the side wall plates, while the center ones are separated from the plates with a distance as informed in a picture. The stickers are for preventing the parasitic reflections of opto-electrical transmitters of mask travel detection from wall to system, thus making the performance 100% reliable with all wall materials.

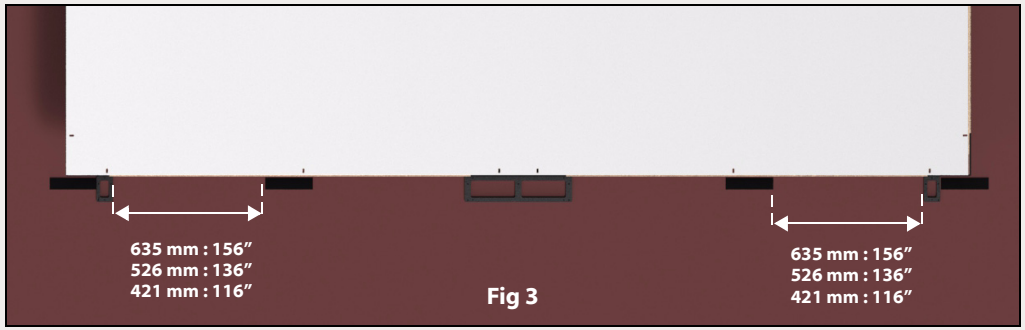


Fig 3

STEP 4
Now attach the total four **Wall Socket L**s to remaining screw holes of every four **Wall Plate S (Fig 4a)** and four **Wall Socket**s to both two **Wall Plate**s **(Fig 4b).** Tighten the sockets securely and make sure the heels of sockets come in contact with the plates.

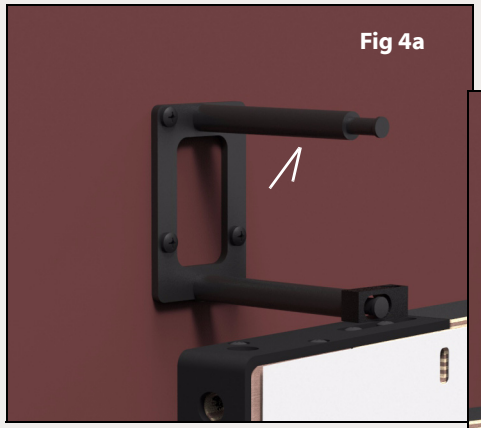


Fig 4a

Fig 4b

PRISMASONIC

STEP 5
Starting from the horizontal **Framework Bar** at top-left, first attach the **Wall Mount** to **Extension Bracket** by using two **Cap Screws, m6 x 16 (Fig 5a).** Next using three **Torx Screw,** *black* connect the **Extension Bracket** to the slot of framework bar **(Fig 5b).** After this, by using **Torx screw,** *clear* attach **Wall Mount Side** to the pre assembled corner bracket as shown in **Fig 5c.** Finally string the wall mounts to **Wall Socket**s of **Wall Plate**s, exactly as shown in **Fig 5.** By using **L-Wrench, 4 mm** insert and tighten the **Set Screw, m6 x 8** in the screw hole at location **d)** to an extent which prevents the bar falling from the socket**.**

NOTE! *The pre assembled bars, which are assembled in top can be identified not including the electrical control boards on them.*

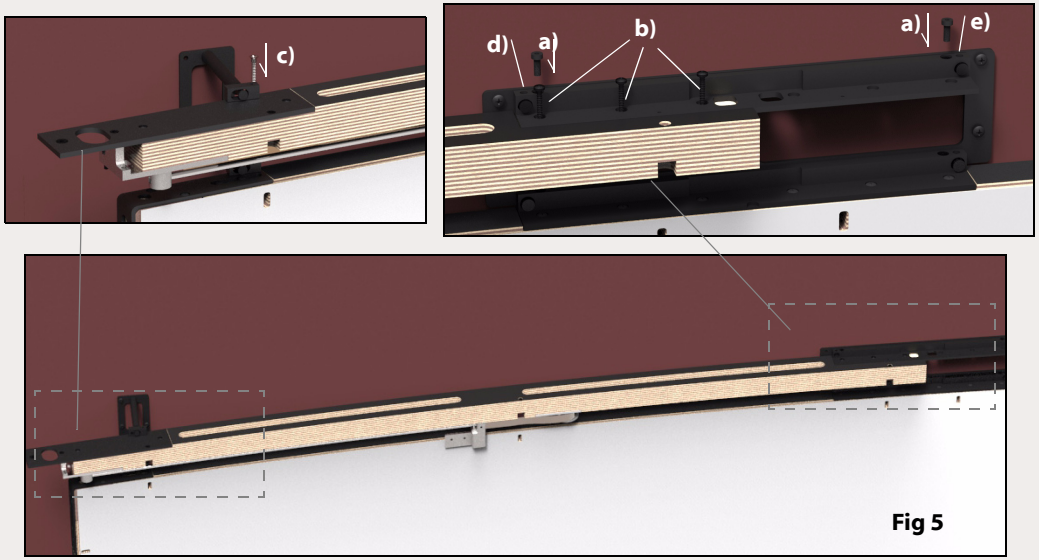


Fig 5

STEP 6
Now attach the top-right **Framework Bar (Fig 6)**. First string the **Wall Mount Side** to **Wall socket** after which connect the other end to **extension Bracket** by three **Torx Screw**s, **5 x 35**. Tighten the screws securely using **Torx Driver.** Also now screw the **Set Screw, m6 x 8** to the screw hole at location **Fig 5e** to an extent which prevents the bar falling from the **Wall Socket.**

Finally do the same procedure as mirror image for the bottom horizontal framework bars, which are much similar to the upper bars except for the electrical control boards and wiring they include.

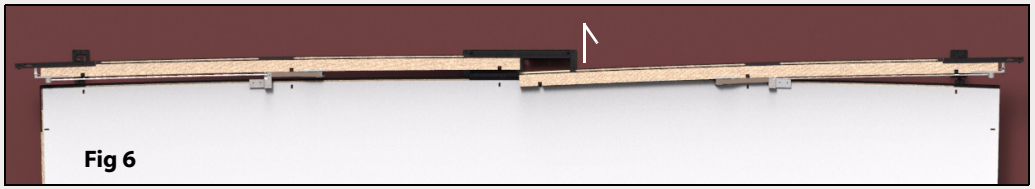
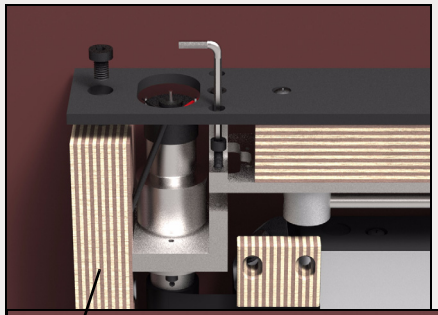


Fig 6



STEP 7
To finalize the masking framework assembly, attach the two vertical framework bar assemblies to the horizontal bars **(Fig 7)**. In every four corner use **Cap Screw, m8 x 16** (marked with **a)** in close up), and two **Cap Screw**s, **m5 x 16** (marked with **b)** in close up). Tighten the screws securely using **L-Wrench, 5 mm** and **L-Wrench, 4 mm**. Make sure that after installation **the loosen wire ends of both vertical bar assemblies are locating in bottom corners**, so that they can be further connected to the motor control boards.

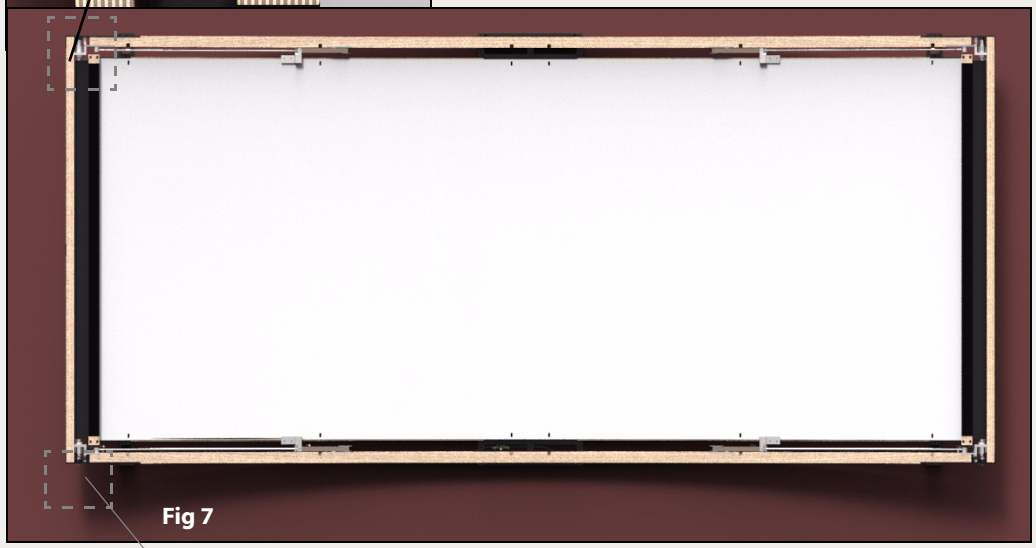


Fig 7

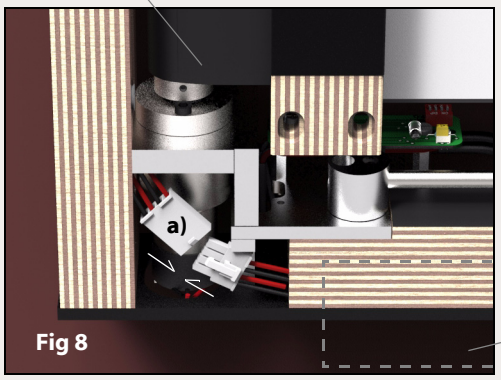
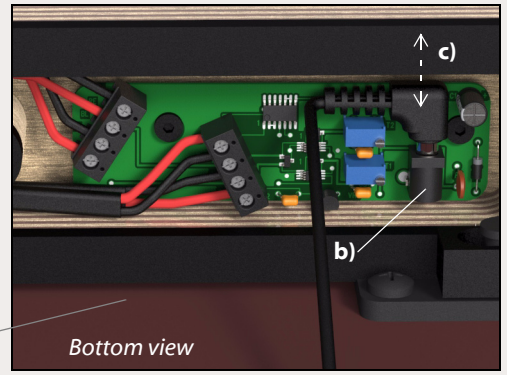


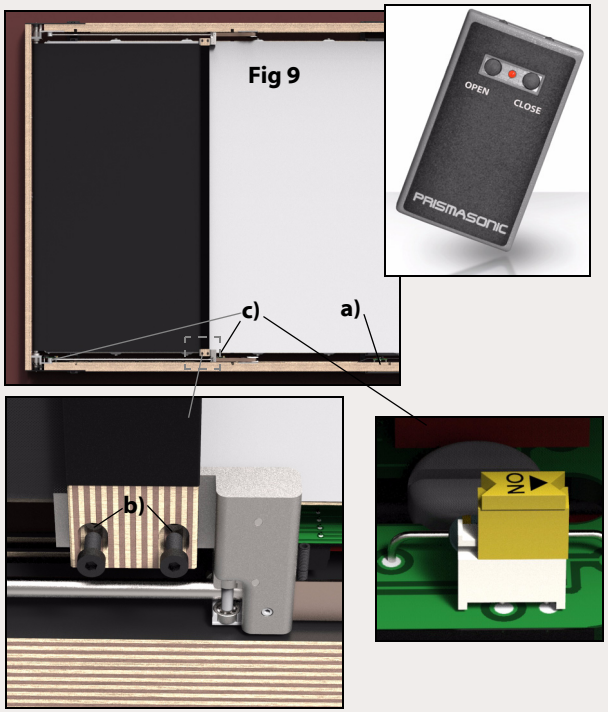
Fig 8



Bottom view

STEP 8
Attach the connector ends on left-bottom together as shown in **Fig 8a**. Make sure the parts snap securely to each other. Now connect the power for the first time to the socket, marked by **b)** in **Fig 8**. There is an extra notch on a framework slot under the aluminum bracket **(Fig 8c)** to offer enough space to feed the DC plug into the socket.

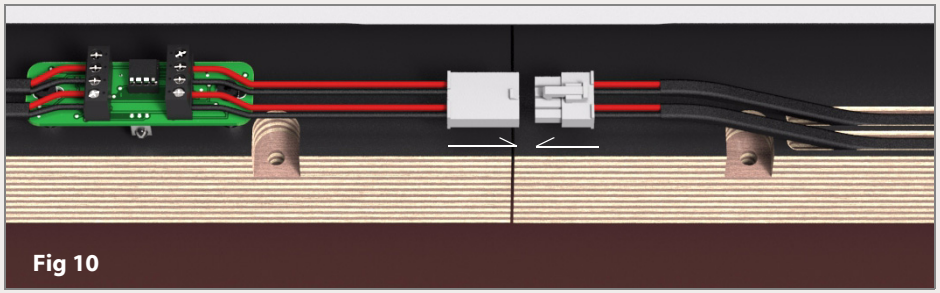
PRISMASONIC



STEP 9
By pressing (and holding) the '**CLOSE**' button of **Remote Controller** *(pointing it to the receiver board)* ***(Fig 9a)***, and simultaneously pulling the left mask from the velvet bar, drive the mask fabric close until the bar reaches the sliding brackets in top and bottom **(Fig 9)**. Prepare to attach the mask bar to both upper and lower slide brackets using **Cap Screws, m6 x 12** (*marked by **b** in a close up*). Tighten the four screws securely with **L-Wrench, 4 mm.**

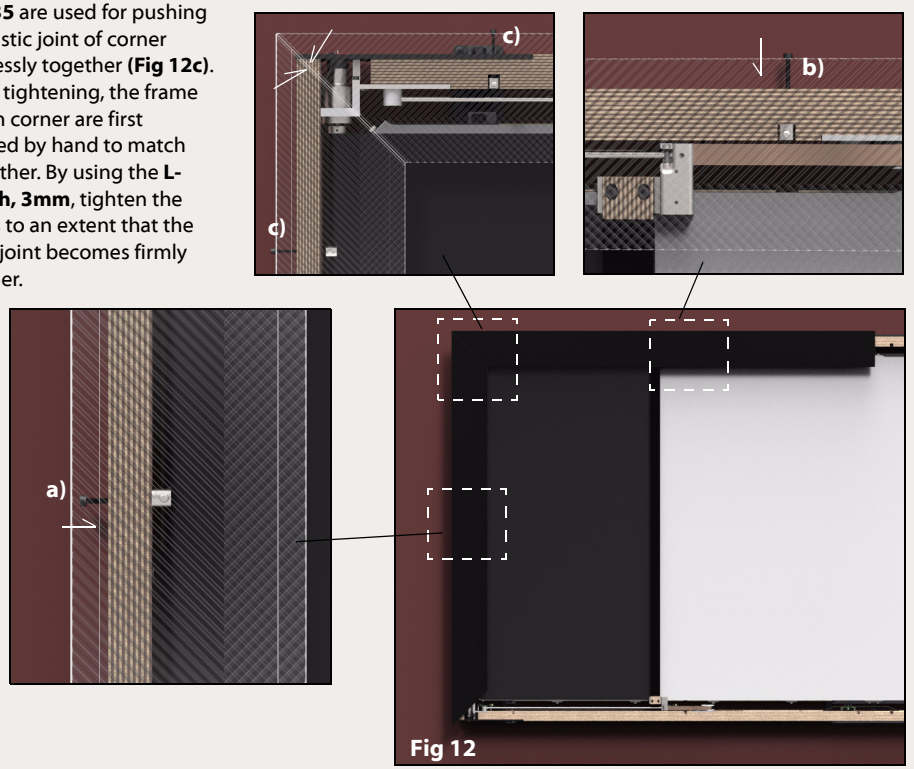
Now push the yellow switches of **two** detector boards, which are locating on the bottom-left framework bar marked by **c)** in **Fig 9**, to '**ON'** position**. After this the left side mask is not reacting to remote controller until the velvet frames have been installed in STEP 12 and 13.**

STEP 10
Connect the loosen wire ends of '*right- bottom*' framework bar to the receiver board **(Fig 10** and **Fig 9a).** Make sure the connectors snap securely to each other.



STEP 11
Redo the **STEP 8** and **STEP 9** exactly similarly now to the right side of screen. Again make sure the **yellow switches** of **two** detector boards on the right part of screen becomes to '**ON'** position after performing the steps.

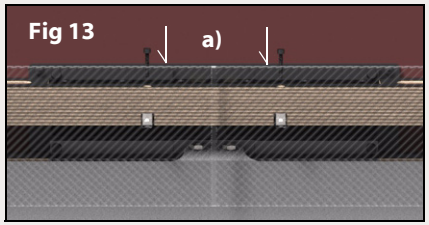
STEP 12
Starting from left vertical **Velvet Frame**, attach the frame to the vertical framework bar **only** from center holder of frame. String the **Cap Screw m5 x 30** through the hole and using **L-wrench 4mm** tighten the screw securely against the frame holder exactly as shown in **Fig 12a** *(velvet frame is drawn transparent in a close up pictures)*. Similarly, only from center, attach the upper left horizontal frame to the horizontal framework bar **(Fig 12b).** There are three slots in the horizontal framework bar to where the frame holders are inserted before the screw can be tightened against the holder thread.
In corner the two **Cap Screw**s, **m4 x 35** are used for pushing the elastic joint of corner seamlessly together **(Fig 12c)**. Before tightening, the frame ends in corner are first adjusted by hand to match each other. By using the **L-wrench, 3mm**, tighten the screws to an extent that the velvet joint becomes firmly together.

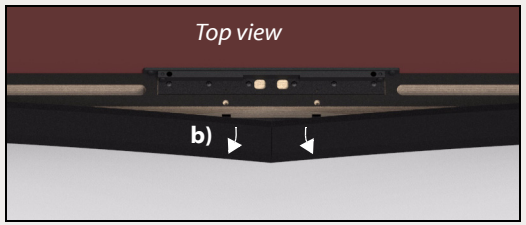


PRISMASONIC

STEP 13
Exactly similarly attach the right side velvet frames to framework. The elastic joint of left and right horizontal frames have been designed to be tight. After matching the frame ends by hand (*as instructed in a **tip** below)*, the parallel positions with each other can be fine tuned by the two **Cap Screws m5 x 30 (Fig 13a)**, which are pushing the both frame ends **upwards**. Finally attach the lower horizontal frames to their places. Still remove the cover sheet from the circular IR window of left bottom frame. The screen with the masking system is now ready for the use.

TIP! *A tight center joint of horizontal frames can be connected together without difficulty by pulling the both center ends away from framework bars until they match to each other, after which they can be released to go back down against the framework **(Fig 13b)**. Before doing this the both frames must have been attached from center to the framework bars **(Fig 12b)**.*

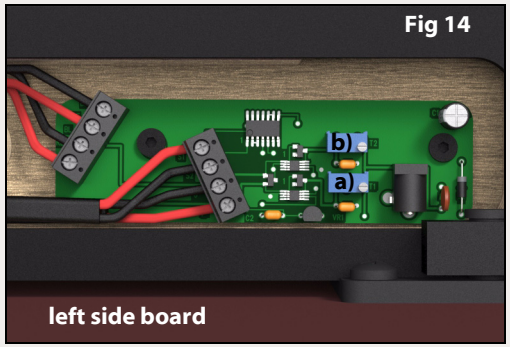


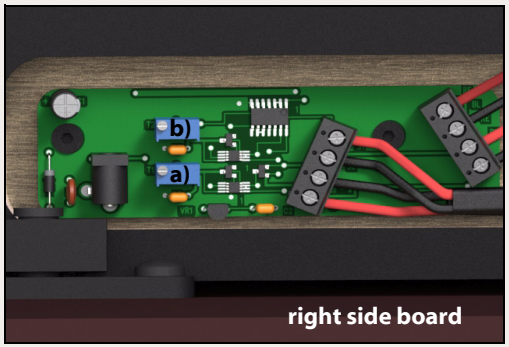


STEP 14
Now power the system up from either left or right side motor control board **(Fig 8b** and **Fig 14).** By pressing and holding the **'OPEN'** button of remote controller, drive the masks to full open (2.40:1) position. The opto electrical sensors stop the masks automatically after they disappear under the main velvet frames. After this drive the masks to full close (1.33:1) position, where they again automatically stop. If the side mask travels from **open to close** are not quite synchronous to each other, their speed can be further adjusted. This is done with **Screw Driver** by opening (*~5-10 rounds to **counter clock wise***) the trimmer screw of motor control board marked by **a)** in **Fig 14, but only at the side which was moving slower**. The iterative tuning back and forth can be performed to find the perfect synchrony.

Similarly the calibration can be done to the **close to open** movement. Now, however, the trimmer screw marked by **b)** in **Fig 14** is closed (*~3-5 rounds to **clock wise***) **at the side which was moving faster.** And again the iterative tuning back and forth can be operated to find the synchrony.

NOTE! *The system is good to be powered down while adjusting the trimmer screws with screw driver*





You are done! Enjoy your new 2.40:1 setup. In the use, the aspect ratios between the terminal stops are adjusted simply by releasing the control button to match the aspect ratio of each media.

Masks have been driven to full open 2.40:1 position

PRISMASONIC